

WHAT IS CLAIMED IS:

1. A liquid filtering device, particularly for irrigation water installations comprising:
 - 5 Housing with an inlet port and an outlet port; a core member centrally mounted within the housing comprising at one axial end thereof an abutment ring associated with a male screw-thread for mounting the core member to the housing next to and in communication with the inlet port;
 - 10 a discs-type filter member supported by the core-member so that water flowing from the inlet port enters the filter member in a radial direction, and is discharged through the outlet port, and vice-versa during reversed, filter flushing flow cycles;
 - 15 a piston assembly mounted to the core member comprising a piston and a displaceable member coupled to the piston and abutting against the filter member at the other axial side thereof; characterized in that the mounting of the core member comprises a female screw-threaded split ring matching the male screw-thread; and a circular convergent cone shaped trough encompassing the split ring and fixedly mounted to housing,
 - 20 the arrangement being such that upon threading together, the split-ring is attracted towards the abutment ring and thus becomes self- tightened against the cone-shaped wall of the trough.
- 25 2. The device as claimed in Claim 1 wherein the said trough is open at at-least one side thereof allowing the split ring to be inserted thereinto by elastically squeezing same into a smaller diameter.
- 30 3. The device as claimed in Claim 2 wherein the said trough is integrally formed with a fitting communicating the core member with the inlet port of the filter member.

4. The device as claimed in Claim 3 wherein a stop is provided within the trough for avoiding free rotation of the split ring.
5. The device as claimed in Claim 1 wherein the piston assembly is provided with means for limiting the progress amount of the piston.
6. The device as claimed in Claim 5 wherein said means comprise a coil spring, the number and size of the coils being designed so as to limit the stroke of the piston following a predetermined compression thereof.
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7. The device as claimed in any of Claims 1-6 in use as one of a plurality of filter devices operating in parallel.
- 15 8. The device as claimed in any of Claims 1-6 in use as one of a plurality of filter devices operating in series.